



APRIL 2021 NEWSLETTER



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NPDES Stormwater Training Institute

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For the Hunter & Fisherman, EVERY DAY is EARTH DAY!



Greetings!

Today, hunters and fishermen have invested billions of dollars into the wildlife and sports fishing programs across America. They are truly the largest group unsung hero's in the environmental protection movement, *even though many may not be aware of it!*

In 1937, Congress passed the Federal Aid in Wildlife Restoration Act (Pittman-Robertson Act). The Act makes federal funds available for state wildlife protection and propagation that are derived from Americans paying an excise tax on rifles, archery equipment and ammunition that is consequently used for purchasing game habitat and conducting wildlife research.

Due to the success of the Pittman-Robertson Act, in 1950, the Dingell-Johnson Act or Sport Fish Restoration Act was created to provide similar management, conservation and restoration improvements for fisheries.

The outdoorsman today has transformed the landscape and immeasurably improved the conditions and prospects for America's wildlife. That said, fish can't live in rivers and lakes full of mud. NPDES Permit compliance is how we keep our stocked rivers, lakes and estuaries fishable and swimmable. Be a grateful American and share this article with your family and friends. Your country needs you!

T. Luke Owen, PG MS4CECI MS4GIT
President, NPDES Stormwater Training Institute



Do Your Check Dams Work Worth a Darn?

The photo to the left demonstrates another reason why silt fences shall not be placed in concentrated flow channels. Notice the sediment flowing around the silt fence, creating scour and erosion.

Check dams are a practice that when installed and maintained properly, can greatly minimize tons of eroded sediment from entering a temporary sediment basin. Check dams are critically important in their role of helping a sediment basin discharge stormwater in a highly effective fashion. In Georgia, the Manual for Erosion and Sediment Control (Green Book) lays out design guidelines and requirements to help your construction site do it's job at protecting our fishable and swimmable rivers and lakes downstream.

DESIGN CRITERIA

Check dams should be designed using 2.0 cfs. For flows exceeding 2.0 cfs, check dams may be used in conjunction with other BMPs in the channel. Dam height should be 24 inches maximum measured to the center of the check dam.

Drainage Area

For stone check dams, the drainage area shall not exceed two acres. For straw-bale check dams and compost filter socks, the drainage area shall not exceed one acre.

Side Slopes

Side slopes shall be 2:1 or flatter.

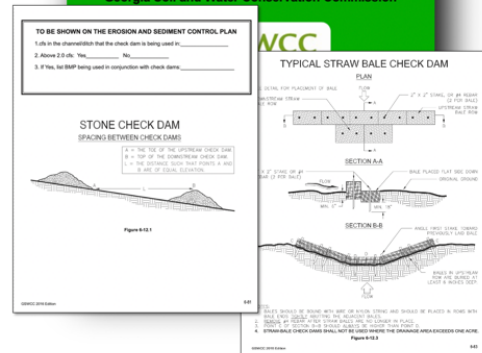
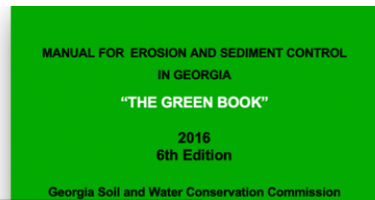
Spacing

Two or more check dams in a series shall be used for drainage areas greater than one (1) acre. **Maximum spacing between dams should be such that the toe of the upstream dam is at the same elevation as the top of the downstream dam.**

Geotextiles

A geotextile should be used as a separator between the graded stone and the soil base and abutments. The geotextile will prevent the migration of soil particles from the subgrade into the graded stone.

Call us at 678-469-5120 or send Rita an email (Rita@npdestraining.com) to set up a customized training for your company or group.



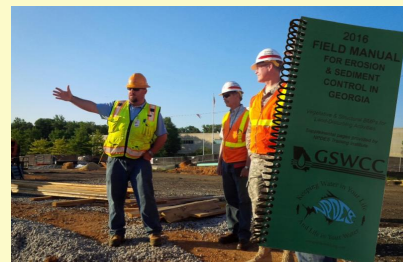
Quick Links

[CHECK EXAM RESULTS](#)

[COURSE SCHEDULE](#)

[NEWSLETTER ARCHIVES](#)

TECH TALK



Tech Talk is a forum for resolving erosion and sediment control and/or construction related problems from a technical perspective. Questions are submitted by the reader; suggestions may be from the NPDES Training

Institute, [Southeast Environmental Consultants, LLC \(SEC\)](#), or other sources. The reader is solely responsible for the results if suggestions are implemented.



Featuring KerTec Environmental Solutions: a nationally recognized leader for soil stabilization!

This month's Featured Message (see left) is from Rhett Kerby of KerTec Environmental Services. Rhett truly takes pride in his work. He provides stakeholders of civil construction projects reclamation consultation and contracting services such as: seed bed preparation, seed application methods, seeding rates, species selection, weed control methods (chemical and mechanical), soil health, and erosion control.

[Click Here](#) to check out Rhett's LinkedIn profile!

YES We Can Travel To You!



For More Information or to Schedule a Class:

678-469-5120

or

Rita@npdestraining.com



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Rita@npdestraining.com

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GSWCC

GEORGIA EROSION & SEDIMENT CONTROL

INITIAL CERTIFICATION COURSES



Level 1A - Blue Card

Level 1B - Red Card

Level II-Tan/Gray Card

RE-CERTIFICATION COURSES



SEDIMENT BASINS **4 PDHs**

Whether it's a Check Dam, Filter Ring, Baffles, Flocculants or a Surface Skimmer, Dr. Jim Spotts and I provide training on how to integrate Best Management Practices (BMPs) into the site plan so your sediment basin can actually do its job and prevent sediment from entering our watersheds.

We hope to see you at our next class!

[Sediment Basins - REGISTER HERE](#)

RECERT **Online Courses -**

GEOS, Site Inspections & State Waters

Trees & Construction, Site Inspections & State Waters

Classroom Courses -

Level 1A - Level 1B or Level II

STORMWATER COURSES



WE GUARANTEE OUR TRAINING!

Our reputation is built on providing YOU the best stormwater education, taught by **EXPERIENCED INSTRUCTORS** that know how to effectively teach!

You NEVER Pay Twice
for the same course you take from us, EVEN if you don't pass the test!



MS4CECI

Initial 2-Day Classroom/Field Course

CLASSROOM - [Click Here](#)

Recertification 4-Hour Course

ONLINE - [Click Here](#)

CLASSROOM - [Click Here](#)

MS4GIT

MS4 Green Infrastructure Technician

The MS4GIT Course is a 1-day training experience focusing on Green Infrastructure BMPs and their installation & maintenance. Attendees will learn how to identify and solve issues surrounding poor maintenance, as well as avoid GI failures entirely. This course was designed especially for stormwater managers, stormwater engineers and consultants, MS4 Inspectors and maintenance crews.

Upon completion, trainees will have learned to:

- Implement correct construction sequencing protocol for BMPs
- Understand how to read a BMP landscape plan
- Identify soil mixtures and calculate soil / material volumes
- Identify and select appropriate plants for BMPs
- Understand maintenance requirements of BMPs
- Identify common problems and solutions for BMPs
- Understand how to implement a landscape maintenance plan
- Evaluate plant performance and how to replace failing plants



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course!**

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"I recognize the right and duty of this generation to use the natural resources of our land, but I do not recognize the right to waste them or to rob by wasteful use, the generations that come after us!"

Theodore Roosevelt

Sincerely,

T. Luke Owen, PG MS4CECI MS4GIT

President - Principal Trainer

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